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Submillimeter Wave Astronomy Satellite Performance on the Ground and in Orbit. *V. Tolls, G. J. Melnick, M. L. N. Ashby, E. A. Bergin, M. A. Gurwell, S. C. Kleiner, B. M. Patten, R. Plume, J. R. Stauffer, Z. Wang, G. Chin, N. R. Erickson, R. L. Snell, P. F. Goldsmith, D. A. Neufeld, R. Schieder, & G. Winnewisser.* 152, 137 (2004)

ISM: ABUNDANCES

Interstellar Dust Models Consistent with Extinction, Emission, and Abundance Constraints. *Viktor Zubko, Eli Dwek, & Richard G. Arendt.* 152, 211 (2004)

ISM: CLOUDS

A CO Survey toward Starless Cores. *Yong-Sun Park, Chang Won Lee, & Philip C. Myers.* 152, 81 (2004)

ISM: DUST, EXTINCTION

Interstellar Dust Models Consistent with Extinction, Emission, and Abundance Constraints. *Viktor Zubko, Eli Dwek, & Richard G. Arendt.* 152, 211 (2004)

Correlations between Crystallite Size, Shape, Surface, and Infrared Spectra using Ti-C System. *Y. Kimura, A. Ikegami, M. Kurumada, K. Kamitsuji, & C. Kaito.* 152, 297 (2004)

ISM: MOLECULES

HCN Survey of Normal Spiral, Infrared-Luminous, and Ultraluminous Galaxies. *Yu Gao & Philip M. Solomon.* 152, 63 (2004)

A CO Survey toward Starless Cores. *Yong-Sun Park, Chang Won Lee, & Philip C. Myers.* 152, 81 (2004)

The Millimeter and Submillimeter-Wave Spectrum of Oxiranecarbonitrile. *Markus Behnke, Ivan Medvedev, Manfred Winnewisser, Frank C. De Lucia, & Eric Herbst.* 152, 97 (2004)

Correlations between Crystallite Size, Shape, Surface, and Infrared Spectra using Ti-C System. *Y. Kimura, A. Ikegami, M. Kurumada, K. Kamitsuji, & C. Kaito.* 152, 297 (2004)

METHODS: DATA ANALYSIS

Radio Astronomical Polarimetry and Point-Source Calibration. *W. van Straten.* 152, 129 (2004)

Automated Classification of 2000 Bright *IRAS* Sources. *Ranjan Gupta, Harinder P. Singh, K. Volk, & S. Kwok.* 152, 201 (2004)

METHODS: LABORATORY

The Millimeter and Submillimeter-Wave Spectrum of Oxiranecarbonitrile. *Markus Behnke, Ivan Medvedev, Manfred Winnewisser, Frank C. De Lucia, & Eric Herbst.* 152, 97 (2004)

Correlations between Crystallite Size, Shape, Surface, and Infrared Spectra using Ti-C System. *Y. Kimura, A. Ikegami, M. Kurumada, K. Kamitsuji, & C. Kaito.* 152, 297 (2004)

MOLECULAR DATA

The Millimeter and Submillimeter-Wave Spectrum of Oxiranecarbonitrile. *Markus Behnke, Ivan Medvedev, Manfred Winnewisser, Frank C. De Lucia, & Eric Herbst.* 152, 97 (2004)

Correlations between Crystallite Size, Shape, Surface, and Infrared Spectra using Ti-C System. *Y. Kimura, A. Ikegami, M. Kurumada, K. Kamitsuji, & C. Kaito.* 152, 297 (2004)

NUCLEAR REACTIONS, NUCLEOSYNTHESIS, ABUNDANCES

Spectroscopic Studies of Extremely Metal-Poor Stars with the Subaru High Dispersion Spectrograph. I. Observational Data. *Satoshi Honda, Wako Aoki, Hiroyasu Ando, Hideyuki Izumiura, Toshitaka Kajino, Eiji Kambe, Satoshi Kawanomoto, Kunio Noguchi, Kiichi Okita, Kozo Sadakane, Bun'ei Sato, Masahide Takada-Hidai, Yoichi Takeda, Etsuji Watanabe, Timothy C. Beers, John E. Norris, & Sean G. Ryan.* 152, 113 (2004)

POLARIZATION

Radio Astronomical Polarimetry and Point-Source Calibration. *W. van Straten.* 152, 129 (2004)

RADIATIVE TRANSFER

A CO Survey toward Starless Cores. *Yong-Sun Park, Chang Won Lee, & Philip C. Myers.* 152, 81 (2004)

RADIO LINES: GALAXIES

HCN Survey of Normal Spiral, Infrared-Luminous, and Ultraluminous Galaxies. *Yu Gao & Philip M. Solomon.* 152, 63 (2004)

RADIO LINES: GENERAL

Submillimeter Wave Astronomy Satellite Performance on the Ground and in Orbit. *V. Tolls, G. J. Melnick, M. L. N. Ashby, E. A. Bergin, M. A. Gurwell, S. C. Kleiner, B. M. Patten, R. Plume, J. R. Stauffer, Z. Wang, G. Chin, N. R. Erickson, R. L. Snell, P. F. Goldsmith, D. A. Neufeld, R. Schieder, & G. Winnewisser.* 152, 137 (2004)

RADIO LINES: ISM

A CO Survey toward Starless Cores. *Yong-Sun Park, Chang Won Lee, & Philip C. Myers.* 152, 81 (2004)

The Millimeter and Submillimeter-Wave Spectrum of Oxiranecarbonitrile. *Markus Behnke, Ivan Medvedev, Manfred Winnewisser, Frank C. De Lucia, & Eric Herbst.* 152, 97 (2004)

STARS: ABUNDANCES

Spectroscopic Studies of Extremely Metal-Poor Stars with the Subaru High Dispersion Spectrograph. I. Observational Data. *Satoshi Honda, Wako Aoki, Hiroyasu Ando, Hideyuki Izumiura, Toshitaka Kajino, Eiji Kambe, Satoshi Kawanomoto, Kunio Noguchi, Kiichi Okita, Kozo Sadakane, Bun'ei Sato, Masahide Takada-Hidai, Yoichi Takeda, Etsuji Watanabe, Timothy C. Beers, John E. Norris, & Sean G. Ryan.* 152, 113 (2004)

STARS: ACTIVITY

Chromospheric Ca II Emission in Nearby F, G, K, and M stars. *J. T. Wright, G. W. Marcy, R. Paul Butler, & S. S. Vogt.* 152, 261 (2004)

STARS: ATMOSPHERES

The Indo-US Library of Coudé Feed Stellar Spectra. *Francisco Valdes, Ranjan Gupta, James A. Rose, Harinder P. Singh, & David J. Bell.* 152, 251 (2004)

STARS: CHROMOSPHERES

Chromospheric Ca II Emission in Nearby F, G, K, and M stars. *J. T. Wright, G. W. Marcy, R. Paul Butler, & S. S. Vogt.* 152, 261 (2004)

STARS: FUNDAMENTAL PARAMETERS

Proper-Motion Catalog From SDSS ∩ USNO-B. *Andrew Gould & Juna A. Kollmeier.* 152, 103 (2004)

The Indo-US Library of Coudé Feed Stellar Spectra. *Francisco Valdes, Ranjan Gupta, James A. Rose, Harinder P. Singh, & David J. Bell.* 152, 251 (2004)

STARS: LATE-TYPE

Proper-Motion Catalog From SDSS ∩ USNO-B. *Andrew Gould & Juna A. Kollmeier.* 152, 103 (2004)

STARS: POPULATION II

Spectroscopic Studies of Extremely Metal-Poor Stars with the Subaru High Dispersion Spectrograph. I. Observational Data. *Satoshi Honda, Wako Aoki, Hiroyasu Ando, Hideyuki Izumiura, Toshitaka Kajino, Eiji Kambe, Satoshi Kawanomoto, Kunio Noguchi, Kiichi Okita, Kozo Sadakane, Bun'ei Sato, Masahide Takada-Hidai, Yoichi Takeda, Etsuji Watanabe, Timothy C. Beers, John E. Norris, & Sean G. Ryan.* 152, 113 (2004)

STARS: PULSARS: INDIVIDUAL

Alphanumeric: PSR J0437−4715

Radio Astronomical Polarimetry and Point-Source Calibration. *W. van Straten.* 152, 129 (2004)

STARS: ROTATION

Chromospheric Ca II Emission in Nearby F, G, K, and M stars. *J. T. Wright, G. W. Marcy, R. Paul Butler, & S. S. Vogt.* 152, 261 (2004)

STARS: SUBDWARFS

Proper-Motion Catalog From SDSS ∩ USNO-B. *Andrew Gould & Juna A. Kollmeier.* 152, 103 (2004)

STARS: WHITE DWARFS

Proper-Motion Catalog From SDSS ∩ USNO-B. *Andrew Gould & Juna A. Kollmeier.* 152, 103 (2004)

SUBMILLIMETER

Submillimeter Wave Astronomy Satellite Performance on the Ground and in Orbit. *V. Tolls, G. J. Melnick, M. L. N. Ashby, E. A. Bergin, M. A. Gurwell, S. C. Kleiner, B. M. Patten, R. Plume, J. R. Stauffer, Z. Wang, G. Chin, N. R. Erickson, R. L. Snell, P. F. Goldsmith, D. A. Neufeld, R. Schieder, & G. Winnewisser.* 152, 137 (2004)

SURVEYS

HCN Survey of Normal Spiral, Infrared-Luminous, and Ultraluminous Galaxies. *Yu Gao & Philip M. Solomon.* 152, 63 (2004)

A CO Survey toward Starless Cores. *Yong-Sun Park, Chang Won Lee, & Philip C. Myers.* 152, 81 (2004)

TECHNIQUES: POLARIMETRIC

Radio Astronomical Polarimetry and Point-Source Calibration. *W. van Straten.* 152, 129 (2004)

TECHNIQUES: SPECTROSCOPIC

Submillimeter Wave Astronomy Satellite Performance on the Ground and in Orbit. *V. Tolls, G. J. Melnick, M. L. N. Ashby, E. A. Bergin, M. A. Gurwell, S. C. Kleiner, B. M. Patten, R. Plume, J. R. Stauffer, Z. Wang, G. Chin, N. R. Erickson, R. L. Snell, P. F. Goldsmith, D. A. Neufeld, R. Schieder, & G. Winnewisser.* 152, 137 (2004)

TELESCOPES

Submillimeter Wave Astronomy Satellite Performance on the Ground and in Orbit. *V. Tolls, G. J. Melnick, M. L. N. Ashby, E. A. Bergin, M. A. Gurwell, S. C. Kleiner, B. M. Patten, R. Plume, J. R. Stauffer, Z. Wang, G. Chin, N. R. Erickson, R. L. Snell, P. F. Goldsmith, D. A. Neufeld, R. Schieder, & G. Winnewisser.* 152, 137 (2004)

ULTRAVIOLET: GALAXIES

Intrinsic Absorption in the Spectrum of Markarian 279: Simultaneous *Chandra*, *FUSE*, and STIS Observations. *Jennifer E. Scott, Gerard A. Kriss, Julia C. Lee, Nahum Arav, Patrick Ogle, Kenneth Roraback, Kimberly Weaver, Tal Alexander, Michael Brotherton, Richard F. Green, John Hutchings, Mary Elizabeth Kaiser, Herman Marshall, William Oegerle, & Wei Zheng.* 152, 1 (2004)

The Local Lyα Forest. IV. Space Telescope Imaging Spectrograph G140M Spectra and Results on the Distribution and Baryon Content of H I Absorbers. *Steven V. Penton, John T. Stocke, & J. Michael Shull.* 152, 29 (2004)

ULTRAVIOLET: ISM

Interstellar Dust Models Consistent with Extinction, Emission, and Abundance Constraints. *Viktor Zubko, Eli Dwek, & Richard G. Arendt.* 152, 211 (2004)

X-RAYS: GALAXIES

Intrinsic Absorption in the Spectrum of Markarian 279: Simultaneous *Chandra*, *FUSE*, and STIS Observations. *Jennifer E. Scott, Gerard A. Kriss, Julia C. Lee, Nahum Arav, Patrick Ogle, Kenneth Roraback, Kimberly Weaver, Tal Alexander, Michael Brotherton, Richard F. Green, John Hutchings, Mary Elizabeth Kaiser, Herman Marshall, William Oegerle, & Wei Zheng.* 152, 1 (2004)